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Karam et al.

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(54) **AIRCRAFT POWER SYSTEM**

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(57) **ABSTRACT**

A gas turbine engine is disclosed which includes a bypass
passage that in some embodiments are capable of being
configured to act as a resonance space. The resonance space
can be used to attenuate/accenuate/etc a noise produced
elsewhere. The bypass passage can be configured in a
number of ways to form the resonance space. For example,
the space can have any variety of geometries, configurations,
etc. In one non-limiting form the resonance space can
attenuate a noise forward of the bypass duct. In another
non-limiting form the resonance space can attenuate a noise
aft of the bypass duct. Any number of variations is possible.

10 Claims, 5 Drawing Sheets

